WE CLAIM:

- 1. A composition comprising a bitter tastant and a bitterness inhibitor, wherein said bitterness inhibitor is adenosine 3':5'-cyclic monophosphate and the inhibitor is present at a concentration which inhibits bitterness.
- 2. A composition comprising a bitter tastant and a bitterness inhibitor, wherein said bitterness inhibitor is guanosine 2':3'-cyclic monophosphate and the inhibitor is present at a concentration which inhibits bitterness.
- 3. A composition comprising a bitter tastant and a bitterness inhibitor, wherein said bitterness inhibitor is guanosine 3':5'-cyclic monophosphate and the inhibitor is present at a concentration which inhibits bitterness.
- 4. A composition comprising a bitter tastant and a bitterness inhibitor, wherein said bitterness inhibitor is cytidine 5'-monophosphate and the inhibitor is present at a concentration which inhibits bitterness.
- 5. A composition comprising a bitter tastant and a bitterness inhibitor, wherein said bitterness inhibitor is guanosine 2'-monophosphate and the inhibitor is present at a concentration which inhibits bitterness.
- 6. A composition comprising a bitter tastant and a bitterness inhibitor, wherein said bitterness inhibitor is guanosine 3'-monophosphate and the inhibitor is present at a concentration which inhibits bitterness.

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- 7. A composition comprising a bitter tastant and a bitterness inhibitor, wherein said bitterness inhibitor is guanosine 5'-monophosphate and the inhibitor is present at a concentration which inhibits bitterness.
- 8. A composition comprising a bitter tastant and a bitterness inhibitor, wherein said bitterness inhibitor is uridine 5'-monophosphate and the inhibitor is present at a concentration which inhibits bitterness.
- 9. A composition comprising a bitter tastant and a bitterness inhibitor, wherein said bitterness inhibitor is 2' deoxyadenosine 5'-monophosphate and the inhibitor is present at a concentration which inhibits bitterness.
- 10. A composition comprising a bitter tastant and a bitterness inhibitor, wherein said bitterness inhibitor is 2' deoxycytidine 5'-monophosphate and the inhibitor is present at a concentration which inhibits bitterness.
- 11. A composition comprising a bitter tastant and a bitterness inhibitor, wherein said bitterness inhibitor is 2' deoxyguanosine 5"-monophosphate and the inhibitor is present at a concentration which inhibits bitterness.
- 12. A composition comprising a bitter tastant and a bitterness inhibitor, wherein said bitterness inhibitor is 2' deoxyadenosine 5'-triphosphate and the inhibitor is present at a concentration which inhibits bitterness.
- 13. A composition comprising a bitter tastant and a bitterness inhibitor, wherein said bitterness inhibitor is a purine or pyrimidine group, or derivative thereof,

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and ionizable phosphate or other anionic organic molecule and the inhibitor is present at a concentration which inhibits bitterness.

- 14. A method of inhibiting the perception of a bitter taste in a subject comprising administering to the subject an effective amount of a bitterness inhibitor wherein said inhibitor is adenosine 3':5'-cyclic monophosphate.
- 15. A method of inhibiting the perception of a bitter taste in a subject comprising administering to the subject an effective amount of a bitterness inhibitor wherein said inhibitor is guanosine 2':3'-cyclic monophosphate.
- 16. A method of inhibiting the perception of a bitter taste in a subject comprising administering to the subject an effective amount of a bitterness inhibitor wherein said inhibitor is guanosine 3':5'-cyclic monophosphate.
- 17. A method of inhibiting the perception of a bitter taste in a subject comprising administering to the subject an effective amount of a bitterness inhibitor wherein said inhibitor is cytidine 5'-monophosphate and the inhibitor.
- 18. A method of inhibiting the perception of a bitter taste in a subject comprising administering to the subject an effective amount of a bitterness inhibitor wherein said inhibitor is guanosine 2'-monophosphate.
- 19. A method of inhibiting the perception of a bitter taste in a subject comprising administering to the subject an effective amount of a bitterness inhibitor wherein said inhibitor is guanosine 3'-monophosphate.

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- 20. A method of inhibiting the perception of a bitter taste in a subject comprising administering to the subject an effective amount of a bitterness inhibitor wherein said inhibitor is guanosine 5'-monophosphate.
- 21. A method of inhibiting the perception of a bitter taste in a subject comprising administering to the subject an effective amount of a bitterness inhibitor wherein said inhibitor is uridine 5'-monophosphate.
- 22. A method of inhibiting the perception of a bitter taste in a subject comprising administering to the subject an effective amount of a bitterness inhibitor wherein said inhibitor is 2' deoxyadenosine 5'-monophosphate.
- 23. A method of inhibiting the perception of a bitter taste in a subject comprising administering to the subject an effective amount of a bitterness inhibitor wherein said inhibitor is 2' deoxycytidine 5'-monophosphate.
- 24. A method of inhibiting the perception of a bitter taste in a subject comprising administering to the subject an effective amount of a bitterness inhibitor wherein said inhibitor is 2' deoxyguanosine 5"-monophosphate.
- 25. A method of inhibiting the perception of a bitter taste in a subject comprising administering to the subject an effective amount of a bitterness inhibitor wherein said inhibitor is 2' deoxyadenosine 5'-triphosphate.
- 26. A method of inhibiting the perception of a bitter taste in a subject comprising administering to the subject an effective amount of a bitterness inhibitor

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wherein said inhibitor is a purine or pyrimidine group, or derivative thereof, and ionizable phosphate or other anionic organic molecule.

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